

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G11B7/09

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 22, 9 March 2001 (2001-03-09) -& JP 2001 134960 A (PIONEER ELECTRONIC CORP), 18 May 2001 (2001-05-18) abstract	1-4, 11-13
Y		5-10, 14-20
A		21-24
P,X	-& US 6 657 930 B1 (NOMOTO TAKAYUKI) 2 December 2003 (2003-12-02)	1-4, 11-13
P,Y	column 1, line 14 - line 50	5-10, 14-20
P,A	column 3, line 58 - column 7, line 36; figures 1-4	21-24
Y	US 2002/039331 A1 (PARK SANG ON) 4 April 2002 (2002-04-04) paragraphs '0004! - '0026!; figures 1-3c	5-10, 14-20
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the International search

10 September 2004

Date of mailing of the International search report

17/09/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WO 98/49679 A (KONINKL PHILIPS ELECTRONICS NV ; PHILIPS SVENSKA AB (SE)) 5 November 1998 (1998-11-05) the whole document</p> <p style="text-align: center;">-----</p> <p style="text-align: center;">BEST AVAILABLE COPY</p>	1-24

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Information on patent family members

onal Application No

IB2004/050683

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2001134960 A	18-05-2001	US 6657930 B1	02-12-2003
US 6657930 B1	02-12-2003	JP 2001134960 A	18-05-2001
US 2002039331 A1	04-04-2002	KR 2002026677 A	12-04-2002
WO 9849679 A	05-11-1998	CN 1127724 B	12-11-2003
		EP 0914652 A2	12-05-1999
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		TW 399202 B	21-07-2000
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